State of Louisiana
Department of Transportation and Development

ASPHALTIC CONCRETE PLANT CERTIFICATION REPORT

GENERAL INFORMATION

Last Certification Date on Sticker: _____ **Date:** _____

Plant Name: _____ **Dist. Name:** _____

Plant Owner: _____ **Location:** _____

Plant Code: _____ **Make:** _____ **Model/Serial No:** _____

Mailing Address: _____

Plant Type: ☐ Batch ☐ Screenless Batch ☐ Drum Mixer Recycle Capability ☐ Yes ☐ No

Type of Fuel : _____ Dryer

Remarks: _____

_____

MATERIAL STORAGE AND HANDLING

AGGREGATES: Handling and Equipment

Stockpiles

Building Method: ☐ Dozer ☐ Loader ☐ Dragline ☐ Other _____

Remarks: _____

_____

Material	Approved Source		Satisfactory Drainage		Separation						Contamination		Segregation	
					Adequate		Spacing		Partition					
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

Crusher: Type: ☐ Cone ☐ Roller ☐ Sling ☐ Other _____

Oversize Re-crush System: ☐ Yes ☐ No

Remarks: _____

_____

_____

Cold Aggregate Feeder

	New Material	Recycled Material
Type of Loading:	☐ Loader ☐ Dragline ☐ Other: _____	☐ Loader ☐ Dragline ☐ Other: _____
No. of Cold Feed Systems Used:	_____	_____
If more than one system used, are controls integrated?	☐ Yes ☐ No	☐ Yes ☐ No
No. of Cold Bins Used:	_____	_____
Number of bins sufficient for operations:	☐ Yes ☐ No	☐ Yes ☐ No
Bins are large enough for continuous peration at rated capacity:	☐ Yes ☐ No	☐ Yes ☐ No
Condition of bins satisfactory:	☐ Yes ☐ No	☐ Yes ☐ No
Partitions extend a minimum one foot above top between bins:	☐ Yes ☐ No	☐ Yes ☐ No
Bins equipped with vibrators:	☐ Yes ☐ No	☐ Yes ☐ No
Individual Bin Gates:		
Gate rectangular:	☐ Yes ☐ No	☐ Yes ☐ No
Gate has positive mechanized adjustment:	☐ Yes ☐ No	☐ Yes ☐ No
Gate locks in Position:	☐ Yes ☐ No	☐ Yes ☐ No
Aggr. Proportioning by cold feed:	☐ Applicable ☐ N/A	☐ Applicable ☐ N/A
Proportions determined by:	☐ Belt Speed	☐ Gate Opening
Calib Curve / each bin per material type used:	☐ Yes ☐ No	☐ Yes ☐ No
Automatic shut off on each bin:	☐ Yes ☐ No	☐ Yes ☐ No
Adjusted and operating correctly:	☐ Yes ☐ No	☐ Yes ☐ No

Remarks _____

Hydrated Lime Additive Equipment

Interlocked and synchronized with cold feed control: ☐ Yes ☐ No
Positive Signal Auto Shut-down: ☐ Yes ☐ No
Separate Bulk Storage: ☐ Yes ☐ No
With approved feed: ☐ Yes ☐ No
Can be readily calibrated: ☐ Yes ☐ No
Can be easily sampled: ☐ Yes ☐ No
Can be easily be verified: ☐ Yes ☐ No
Has totalizer: ☐ Yes ☐ No
Approved spray system:
Consistently maintains aggregate in uniform surface wet condition: ☐ Yes ☐ No
Moist. content can be introduced into automatic moisture controls: ☐ Yes ☐ No
Approved mixing device: ☐ Yes ☐ No
Coats uniformly: ☐ Yes ☐ No
Located between additive point & dryer: ☐ Yes ☐ No
Dispensed directly into aggregate: ☐ Yes ☐ No
Between cold feed and dryer: ☐ Yes ☐ No
Minimum required amount added: ☐ Yes ☐ No
Included in belt scale weight: ☐ Yes ☐ No

Remarks _____

Mineral Filler Equipment

Capacity _____(tons)
Adequate: ☐ Yes ☐ No
Weatherproof: ☐ Yes ☐ No
Leakage: ☐ Yes ☐ No
Proportioned separately: ☐ Yes ☐ No
From hopper with adjustable feed: ☐ Yes ☐ No
Can be accurately and conveniently calibrated: ☐ Yes ☐ No
Interlocks with aggr & asphalt feeds: ☐ Yes ☐ No
Proportions accurately: ☐ Yes ☐ No
Constant flow of materials: ☐ Yes ☐ No

For Batch Plants:
Batched into mix with aggregates: ☐ Yes ☐ No

For Drum and Continuous Plants:
Introduced into mix at approved location in advance of asphalt for proper drying time: ☐ Yes ☐ No

Remarks _____

Screens and Scalpers

Over hot bins: ☐ Yes ☐ No
Size: _____ ☐ N/A
Over fine sand bins: ☐ Yes ☐ No
Size: _____ ☐ N/A
Between cold feed discharge & belt scale: ☐ Yes ☐ No
Size: _____ ☐ N/A
Vibrating: ☐ Yes ☐ No
Over reclaimed bin: ☐ Yes ☐ No
Size: _____ ☐ N/A
Hot Bin Screens: ☐ Applicable ☐ N/A
Number and size sufficient for operation: ☐ Yes ☐ No

Remarks: _____

Dust Collector

Dust Collector: ☐ Applicable ☐ N/A
Type: ☐ Cyclone ☐ Wet Scrubber
☐ Baghouse ☐ Other _____
If Baghouse type, type of control device:
☐ Collector Box ☐ Surge Bin ☐ Filler Silo
Collected fines returned to the mix: ☐ Yes ☐ No
Material returned to approved location: ☐ Yes ☐ No
Location: _____
Uniform rate of return: ☐ Yes ☐ No
Method of Return: ☐ Screw ☐ Bucket ☐ Conveyor Belt
☐ Other _____
Condition of System Acceptable: ☐ Yes ☐ No
For drum mixer, fines added near asphalt discharge?
_____

Remarks: _____

STORAGE AND EQUIPMENT

Asphalt Cement Storage & Equipment

Tanks: Recirculating system ☐ Yes ☐ No
Storage: No. _____ Tot.Capacity: _____ Gals (L)
Working: No. _____ Tot.Capacity: _____ Gals (L)
Uniform Heating: ☐ Yes ☐ No
Required temperature: ☐ Yes ☐ No
Under positive control: ☐ Yes ☐ No
Method of Heating: ☐ Hot Oil ☐ Other: _____
Calib.Chart & Measuring Stick Provided: ☐ Yes ☐ No
Method of Sampling: ☐ Spigot ☐ DOTD Samp. Device
Any Leakage ☐ Yes ☐ No
Plant equip. with automatic shut-off controls: ☐ Yes ☐ No
If yes, are controls operable? ☐ Yes ☐ No
Pipelines & fittings: Heated: ☐ Yes ☐ No
Insulated: ☐ Yes ☐ No
Thermometers
Graduated in 5°F increments: ☐ Yes ☐ No
Accurate within ± 5°F: ☐ Yes ☐ No
Affixed in feed line near discharge valve to indicate storage temperature: ☐ Yes ☐ No
If A/C measured by volume:
Positive displacement pump: ☐ Yes ☐ No
Recorded in digital form to nearest gal. ☐ Yes ☐ No
Corrects to 60° ☐ Yes ☐ No
Quantity totalized ☐ Yes ☐ No
Accurate to 1.0% of req. measurement ☐ Yes ☐ No

Remarks _____

Anti Striping Additive Storage & Equip.

Tanks: Recirculating system ☐ Yes ☐ No
Total Capacity: _____ Gals (L)
Uniform Heat: ☐ Yes ☐ No
Method of Heating: ☐ Hot Oil ☐ Electric
☐ Other: _____
Calib. Chart & measuring stick provided: ☐ Yes ☐ No
Dispensed directly into asphalt feed line: ☐ Yes ☐ No
Between asph. ctrl. valve & end of asphalt discharge line ☐ Yes ☐ No
Required quantity of anti-stripping additive uniformly proportioned: ☐ Yes ☐ No
How is proportioning verified? _____
_____
Is proportioning easily and quickly verifiable? ☐ Yes ☐ No
Include positive displacement accumulating meter: ☐ Yes ☐ No
Accumulates & displays materials used: ☐ Yes ☐ No
Reads to nearest 0.25 gals: ☐ Yes ☐ No
Thermometers
Graduated in 5° increments ☐ Yes ☐ No
Accurate within ± 5° F increments: ☐ Yes ☐ No
Affixed near discharge point to indicate temperature in storage: ☐ Yes ☐ No

Remarks _____

SCALES & METERS						
	[1] Asphalt Met/Scale	[2] Aggr Scale	Min. Filler Feed	Anti -Strip Meter	[3] Platform Scales	[4] Silo/Bin Scales
Make						
.						
Graduation						
Date Calib						
Max.Error %						
Type Panel Indicator						
Accurate to within 1.0% of req'd measurement						
Accurate to within 0.5% of req'd measurement						

[1] **Asphalt Met/Scale**

Material delivery diverted for checking accuracy: ☐ Yes ☐ No
AC meter self-correcting to 60°F: ☐ Yes ☐ No
Are all pertinent readouts & indicators readily visible to the plant operator at all tim es: ☐ Yes ☐ No

[2] **Aggregate Scales**

Scale interlocked with asphalt and m ineral filler measuring equipm ent: ☐ N/A ☐ Yes ☐ No
Scale wet weight corrected to dry weight: ☐ Yes ☐ No
Material delivery diverted for checking accuracy: ☐ Yes ☐ No

[3] **Platform Scales** ☐ Applicable ☐ Not Applicable

Sufficient length to weigh entire unit at one tim e:
Prints zero tare weight: ☐ Yes ☐ No
Prints total batch weight of mixture: ☐ Yes ☐ No
Prints total weight of mixture and unit: ☐ Yes ☐ No

[4] **Silo/Bin Scales** ☐ Applicable ☐ Not Applicable

Type:_____ ☐ Weight Hopper ☐ Suspended Bin
Type Scale: _____ ☐ Springless ☐ Load Cell

Remarks: _____

Teleprinter

1. _____ **Batch plant <u>not</u> using surge or storage bins**:

Prints separately weight of aggregate and asphalt: ☐ Yes ☐ No
Prints zero weight for each batch: ☐ Yes ☐ No
Prints total weight of mixture in truck ☐ Yes ☐ No

2. **Plants using surge or storage bins**:

Prints zero weight: ☐ Yes ☐ No
Prints tare weight: ☐ Yes ☐ No
Prints batch weight: ☐ Yes ☐ No
Prints mix weight: ☐ Yes ☐ No
Print total weight of unit & mixture loaded in truck: ☐ Yes ☐ No
Automatically returns to zero after tare is weights: ☐ Yes ☐ No
Does printing mechanism print weights in com bination as req'd by 503.02(3) of the Standard Specification ☐ Yes ☐ No

Remarks: _____

PRODUCTION AND STORAGE OF MIX

DRUM MIXER: ☐ Applicable ☐ Not Applicable

Type Fuel: _____

Materials fed into drum mixer in a manner that:

Aggregates are dry:	☐ Yes	☐ No
Mixture is uniform:	☐ Yes	☐ No
Coating is adequate:	☐ Yes	☐ No
Moisture content level is uniform & acceptable:	☐ Yes	☐ No
Oxidation is acceptable:	☐ Yes	☐ No
Mixing unit is continuously supplied with sufficient materials to operate at capacity	☐ Yes	☐ No
Temperature is uniform:	☐ Yes	☐ No
Mixture is within specified temperature limits:	☐ Yes	☐ No
Equipped with automatic burners:	☐ Yes	☐ No
Slope of dryer as recommended by manufacturer:	☐ Yes	☐ No
Flights are recommended by manufacturer:	☐ Yes	☐ No
Mixer flights in acceptable condition:	☐ Yes	☐ No

BATCH PLANT DRYER: ☐ Applicable ☐ Not Applicable

Type fuel: _____

Supplies mixing unit continuously with hot, dry aggregate at operating capacity	☐ Yes	☐ No
Temperature uniform:	☐ Yes	☐ No
Held at specified temperature:	☐ Yes	☐ No
Acceptable moisture content:	☐ Yes	☐ No
Equipped with automatic burners:	☐ Yes	☐ No
Slope of dryer as recommended by manufacturer:	☐ Yes	☐ No
Dryer and flights in acceptable condition:	☐ Yes	☐ No

HOT BINS: ☐ Applicable ☐ Not Applicable

Adequate size and number for continuous operation at rated capacity :	☐ Yes	☐ No
Adequate storage for individual components:	☐ Yes	☐ No
Provided with overflow to prevent contamination:	☐ Yes	☐ No
Free flowing:	☐ Yes	☐ No

Condition: _____

BATCH PLANT PUGMILL: ☐ Applicable ☐ Not Applicable

Rated capacity: DOTD:_____Tons Manuf.:_____Tons

Twin Shafts:	☐ Yes	☐ No
All paddles acceptable for wear:	☐ Yes	☐ No
Liner in good condition:	☐ Yes	☐ No
Weigh box leaking:	☐ Yes	☐ No
Pugmill gate leaking:	☐ Yes	☐ No
Clogged spray bars:	☐ Yes	☐ No
Timing device operating properly:	☐ Yes	☐ No
Discharge gates lock during timing cycle:	☐ Yes	☐ No
Additional material interlock working:	☐ Yes	☐ No
Asphalt bucket locked out during drying mixing:	☐ Yes	☐ No
Signal operational:	☐ Yes	☐ No

Mixing Time: Drying time:_____Sec. Wet time:_____Sec.

Material properly coated:	☐ Yes	☐ No
Evidence of segregation:	☐ Yes	☐ No

Remarks _____

THERMOMETERS

Heated Aggregates or Asphaltic Mixture

Graduated in 10° F (Maximum) increments: ☐ Yes ☐ No
Accurate within ± 5°F change: ☐ Yes ☐ No
Approved recording thermometer: ☐ Yes ☐ No
Sensitive to 1°F change: ☐ Yes ☐ No
Registers automatically: ☐ Yes ☐ No
Accurately records discharge temperature: ☐ Yes ☐ No
Describe Location: _____

STORAGE SILOS AND SURGE BINS: ☐ Applicable ☐ Not Applicable

General

Bin indicator installed at top of slope portion: ☐ Yes ☐ No
Signal: _____Light _____ Audible
Obvious to operator and working: ☐ Yes ☐ No
Any segregation: ☐ Yes ☐ No
Mixture drawn from bins meets same requirements as mix being loaded: ☐ Yes ☐ No
Method of loading: ☐ Bucket ☐ Drag Slat ☐ Other _____
Conveyor system works continuously: ☐ Yes ☐ No
Uniform temperature: ☐ Yes ☐ No
Mix conveyed to storage remains with ± 15F of plant discharge temperature: ☐ Yes ☐ No
Automatic warning system for gate malfunction: ☐ Yes ☐ No
Type of unloading gate: ☐ Clam ☐ Other _____

Storage Silo: ☐ Applicable ☐ Not Applicable
☐ Heated ☐ Unheated
Capacity: _____Tons Maximum storage time: Hrs.
Type of heating: ☐ Hot Oil ☐ Other _____
Type of Atmosphere: ☐ Air ☐ Inert gas
When inert gas is used, can silo be purged: ☐ Yes ☐ No
Type of anti-segregation system: _____

Surge Bin: ☐ Applicable ☐ Not Applicable
☐ Heated ☐ Unheated
Capacity: _____Tons Maximum storage time: _____Hrs.
Type of heating: ☐ Hot Oil ☐ Other _____
Type of anti-segregation system: _____

Remarks _____

MIX RELEASE AGENT

Method of applicable: ☐ Spray ☐ Other _____
Platform for application: ☐ Yes ☐ No
From approved source: ☐ Yes ☐ No

SAMPLING AND TESTING

SAMPLING PLATFORM

Sturdy: ☐ Yes ☐ No
Acceptable location: ☐ Yes ☐ No
Satisfactory: ☐ Yes ☐ No

Remarks: _____

PLANT LABORATORY

Size: Length _____ Width _____ Square Feet _____

Acceptable (min. 160 sq. ft.)	☐ Yes	☐ No
Acceptable location:	☐ Yes	☐ No
Weatherproofed:	☐ Yes	☐ No
Heated:	☐ Yes	☐ No
Air Conditioned:	☐ Yes	☐ No
Fumed Hood:	☐ Yes	☐ No
Acceptable Exhaust Fan:	☐ Yes	☐ No
Running water:	☐ Yes	☐ No
Electricity:	☐ Yes	☐ No
Bench along at least one wall:	☐ Yes	☐ No
Chairs, desks, and tables adequate:	☐ Yes	☐ No
File storage facilities adequate:	☐ Yes	☐ No
Sanitation facilities adequate:	☐ Yes	☐ No
Suitable locks and catches:	☐ Yes	☐ No
Required testing equipment:	☐ Yes	☐ No
Constant temperature oven (100 - 400 F)(± 5 °F):	☐ Yes	☐ No
Specimen ejector:	☐ Yes	☐ No

Remarks _____

ABSON TEST RESULTS (ABSOLUTE VISCOSITY)

Sample location: ☐ Drum Discharge ☐ Silo Discharge ☐ Pugmill Discharge

Original AC: _____ Poises

Recovered AC: _____

Recovered differs from original AC more than 2000: ☐ Yes ☐ No

ABSON test results from roadway

Recovered AC: _____ Poises

Remarks _____

PROJECT ENGINEER'S REPRESENTATIVE

DISTRICT LABORATORY REPRESENTATIVE

PROJECT ENGINEER

APPROVED BY DISTRICT LAB ENGINEER

DATE